

VERSION DESCRIPTION DOCUMENT FOR THE CONSOLIDATED AGENCY PERSONNEL/PAYROLL SYSTEM

Release 3.3.1

PrISMS Contract

July 1997



National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Huntsville, AL 35812

**VERSION DESCRIPTION DOCUMENT FOR THE
CONSOLIDATED AGENCY PERSONNEL/PAYROLL SYSTEM
RELEASE 3.3.1**

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

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Approved by

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Project Manager

Date

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
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1.0 INTRODUCTION

This Version Description Document (VDD) describes the changes and installation procedures for this release of the Consolidated Agency Personnel/Payroll System (CAPPS). This section identifies the release, describes its purpose, defines its scope, and identifies its contact points.

1.1 IDENTIFICATION OF THE RELEASE

This software release is identified as CAPPS, Release 3.3.1 and has an effective release date of July 25, 1997. Support of the previous release expires 45 days after the scheduled release date. This release must be implemented before processing the center submission for the pay period ending 8/3/97.

1.2 PURPOSE OF THE RELEASE

This release implements modifications necessitated by the following Change Control Request (CCRs):

97000001 (CR)	Truncation error when building NECAPP-STS file.
97000002 (CR)	Additional SUPERDESCRIPTOR needed for CAPPS archiving.

1.3 SCOPE

This release provides the functional and technical user of CAPPS with information regarding the contents, status, and structure of Release 3.3.1, including the following:

- Changes implemented since release 3.3.0
- Validation procedures to ensure the reliability of release changes.
- References to other documentation affected by this release.
- Detailed software installation instructions.

No waivers are associated with this release.

1.4 CONTACT POINTS

Sustaining Engineering for CAPPS is provided through the Consolidation Center (CC) located at Marshall Space Flight Center (MSFC). Questions regarding the function and/or the technical aspects as well as the installation of this release should be directed:

The NACC Technical Services Center (Use following Key Words:
SESAAS & CAPPS)

Telephone: (205) 544-6673

E-Mail: nathalyne.cucarola@msfc.nasa.gov

FAX: (205) 544-1836

2.0 FUNCTIONAL INFORMATION

This section includes details regarding functional changes, functional interfaces, critical issues, affected documents, and application system administration.

2.1 FUNCTIONAL CHANGES

Please refer to Appendix C, Functional Change Validation Procedures, for a description of all functional changes related to this release. Appendix D, Installation Instructions, describes all Software PREDICT and SYSERR changes related to this release.

2.2 FUNCTIONAL INTERFACES

This release is dependent on NASA Personnel/Payroll System (NPPS) interface changes installed as part of NPPS Release 6.0.1.

2.3 CRITICAL ISSUES

This release must be installed with the standard environment for Natural and ADABAS and installed after the installation of NPPS Release 6.0.1.

2.4 AFFECTED DOCUMENTS

The following documents are affected by this release:

- CAPPS/NPPS Interface Control Document (ICD).

The above documentation will be distributed under a separate cover dated July 1997, but is effective only upon installation and operational use of this release.

2.5 APPLICATION SYSTEM ADMINISTRATION

Application system administration changes associated with this release are discussed in Appendix D, Installation Instructions.

3.0 TECHNICAL INFORMATION

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration activities.

3.1 TECHNICAL SYSTEM INTERFACES

This section describes changes to the CAPPs interfaces with NPPS and Office of Personnel Management (OPM).

3.1.1 NPPS Interface

The following field sizes in the Status file have been modified to maintain data integrity between NPPS and CAPPs: YTD-FERS-GOV-CONTR, YTD-FICA-GOV-CONTR, YTD-HIT-GOV-CONTR, YTD-NASA-TSP-GB and YTD-NASA-TSP-GM.

3.1.2 OPM Interface

There are no changes to the OPM interface with this release.

3.2 DATA DICTIONARY CHANGES

A partial CAPPs data dictionary is included in this release in PREDICT format. The information may be retrieved from the CAPPs system file using standard tools provided by PREDICT.

Appendix D has a more complete description of the PREDICT changes for this release.

3.3 SOFTWARE OBJECT CHANGES

Modules affected by this release are included in Appendix D, Section 2.2.

3.4 DATABASE ADMINISTRATION

This section describes the database administration activities for installation of this release.

3.4.1 Release Dataset Names

Refer to Appendix D, Introduction Section, for the release dataset names.

3.4.2 Inventory of Objects

Refer to Appendix D, Paragraph 2.1, for an inventory of Natural object types.

3.4.3 Storage Considerations

The changes represented by this release should not affect storage requirements.

3.4.4 Installation Procedures

Refer to Appendix D, Installation Instructions for CAPPS Software Release 3.3.1 for detailed software installation procedures.

3.5 OPERATIONAL PREPARATION

Refer to the procedure described in Section 3.4.4 for assistance in preparing for proper installation and operational use of this release.

4.0 KNOWN AND OPEN PROBLEMS

The are no known or open problems related to this release.

APPENDIX A

ABBREVIATIONS AND ACRONYMS

ABBREVIATIONS AND ACRONYMS

BJS	Batch Job Submitter
CAPPS	Consolidated Agency Personnel/Payroll System
CC	Consolidation Center
CCR	Change Control Request
CR	Change Request
DR	Discrepancy Report
FAX	Electronic Facsimile Transmission
HQ	NASA Headquarters
ICD	Interface Control Document
JCL	Job Control Language
MSFC	Marshall Space Flight Center
NASA	National Aeronautics and Space Administration
NDM	Network Data Mover
NPPS	NASA Personnel/Payroll System
OPM	Office of Personnel Management
SESAAS	Sustaining Engineering Services for Agency-wide Administrative Systems
SRS	System/Software Requirements Specification
UOG	User and Operations Guide
VDD	Version Description Document

APPENDIX B

GLOSSARY

GLOSSARY

Database Administration

Responsibility for maintaining the physical database environment.

Implementation

The process by which a NASA site installs a software release and places it into operational use.

Operational Preparation

Preparation by a NASA site for installation and use of an application release.

System Administration

Responsibility for administrative functions such as application security and table data maintenance associated with an application.

APPENDIX C
FUNCTIONAL CHANGE VALIDATION
PROCEDURES

FUNCTIONAL CHANGE VALIDATION PROCEDURES

Index of validation procedures for changes in this release.

Section	CCR	Title
1.0	97000001	Truncation error when building NECAPP-STs file.
2.0	97000002	Additional SUPERDESCRIPTOR needed for CAPPS archiving.

Details for the validation procedures are listed below:

1.0 CCR Number 97000001 Truncation error when building NECAPP-STs file.

The format of certain cumulative retirement amount fields is smaller in the NECAPP Status submission file and in the CAPPS system than in NPPS. Truncation error occurs when trying to create the NECAPP-STs file in this condition. To maintain data integrity between NPPS and CAPPS field sizes were modified in the Status files.

Description of Enhancement

Files have been modified to accept the field sizes as defined in NPPS. Affected files are:

CAPPS-ARCHV-STs-HSTRY-PHY-FILE	File	105
CAPPS-DB-STs-CRNT-PHY-FILE		113
CAPPS-DB-STs-HSTRY-PHY-FILE		73
CAPPS-INPT-PHY-FILE		106
CAPPS-DB-STs-PRVS-YR-PHY-FILE		72

Userviews:

CAPPS-INPT-STs-FILE	U	106
CAPPS-DB-STs-HSTRY-RV1-FILE		73
CAPPS-DB-STs-HSTRY-RV2-FILE		73

Functional Impact

There is no functional impact as a result of this CCR.

• Validation Procedures (PAY PERIOD)

1. Log on to CAPPS.
2. Enter COMMAND D for "BATCH JOB SUBMITTER". Press <ENTER>.
3. Enter COMMAND B for "JOB SCHEDULING". Press <ENTER>.
4. Enter COMMAND B for "SCHEDULE PROCESS". Press <ENTER>.
5. Enter OPTION S by JOB TITLE "ACCEPT INPUT FROM NDM", JOB NUMBER "CP00001" to schedule CP00001. Press <ENTER>.
6. Enter COMMAND P for "PAY PERIOD". Press <ENTER>.
7. The "SCHEDULE CP00001" screen shows FILE TYPEs = ACT, STS and TX and all PRCS FLAGs = "Y". Press <ENTER>.

8. A confirmation window displays updated PRCS FLAGS. Default is "Y". Press <ENTER>.
9. Job Submittal window is displayed. Press <ENTER>.
10. A window shows that CP00001 has been scheduled and shows its Job Number for this execution. Press <ENTER>.
11. Press <PF3> to return to "JOB SCHEDULING".
12. Enter COMMAND A for "JOB QUEUE". When Job CP00001 completes enter OPTION L to check Job Log Messages. Scroll <PF8> through Log. Press <PF3> to return to "JOB QUEUE".

Verify that the job has successfully processed.

13. Repeat steps 1-3 if needed to return to "JOB SCHEDULING".
14. Enter COMMAND B for "SCHEDULE PROCESS".
15. Enter OPTION S by JOB TITLE "Process Files", JOB NUMBER "CP00002" to schedule the job. Press <ENTER>. A window shows the schedule type and reporting period dates that CP00002 will process. "Continue?" is defaulted to "Y". Press <ENTER>.
16. Job Submittal window is displayed. Press <ENTER>.
17. A window shows that CP00002 has been scheduled and shows its job number for this execution. Press <ENTER>.
18. Press <PF3> to return to "JOB SCHEDULING".
19. Enter COMMAND A for "JOB QUEUE".
20. When CP00002 completes, enter OPTION L for the job number to check Job Log Messages. Scroll <PF8> Log.
21. Press <PF3> to return to "JOB QUEUE".

Verify that the job has successfully processed.

2.0 CCR Number 97000002 Additional SUPERDESCRIPTOR needed for CAPPS archiving.

Currently the FTD's in file 073 CAPPS-DB-STS-HSTRY-PHY-FILE and file 105 CAPPS-ARCHV-STS-HSTRY-PHY-FILE are incompatible and the yearend processing of unloading and updating these files is unexecutable.

Description of Enhancement

SUPERDESCRIPTORS for both files are now compatible.

Functional Impact

There is no functional impact as a result of this CCR.

• Validation Procedures

1. Execute the third archive JCL.

Verify that the job has successfully executed the fourth step which executes an ADALOD UPDATE using the input from an UNLOAD in a previous step.

APPENDIX D
INSTALLATION INSTRUCTIONS
FOR CAPPS SOFTWARE RELEASE 3.3.1

INSTALLATION INSTRUCTIONS AND CHECKLIST FOR CAPPS SOFTWARE RELEASE 3.3.1

Introduction

Release information:

System Name: CAPPS

Release Number: 3.3.1

Release Date: July 25, 1997

Effective Date: July 25, 1997

Release Implementation Date: This release must be implemented before processing center submissions for pay period ending 8/2/97.

The following datasets are located on the Central Distribution Facility as data sets.

- AIMS.CAPPS.PROD.REL331.REL0797.SRC
- AIMS.CAPPS.PROD.REL331.REL0797.DOC
- AIMS.CAPPS.PROD.REL331.REL0797.PRD

Person to notify in case of installation problems:

Nathalyne Cucarola (205) 544-8424

Rick Bishop (205) 544-5352

FAX Number (205) 544-1836

Installation Sequence

The sequence in which the installation of this release should occur is provided in the following list. A checklist is provided in Section 9.0 to assist in tracking the installation of this release.

- 1.0 Back Up Existing Data
- 2.0 Copy Source/Object Code
- 3.0 Pre-Predict Data Conversion
- 4.0 Install Predict
- 5.0 Catalog Source Code
- 6.0 Post-Predict Data Conversion
- 7.0 Perform Release-Specific Procedures
- 8.0 Local JCL Mods
- 9.0 Installation Checklist

1.0 Back Up Existing Data

It is advisable to back up all CAPPs files as a precautionary measure prior to installation.

2.0 Copy Source/Object Code

2.1 Copy Source Code

Load the CAPPs source library from dataset AIMS.CAPPs.PROD.REL331.REL0797.SRC. The source programs were unloaded using the Natural utility NATUNLD. The programs will be loaded to the application library CAPPs, replacing any existing programs of the same name. The source module counts included in this release are listed below:

Natural Source Modules by Type	Count
GLOBAL DATA AREA	0
LOCAL/PARAM DATA AREA	6
MAPS	0
HELP ROUTINES	0
SUBROUTINES	0
SUBPROGRAMS	0
PROGRAMS	3
COPYCODE	0
TEXT	0
PROCESS	0
MISCELLANEOUS OBJECTS	0
Total:	9

2.2 LIST OF SOURCE CODE MODIFICATIONS

The following are the modules added, modified and deleted.

Added Modules

- | | |
|-------------|---|
| 1. CAPU0003 | Utility to download CAPPS-DB-STS-HSTRY-PHY-FILE |
| 2. CAPU0004 | Utility to upload CAPPS-DB-STS-HSTRY-PHY-FILE |
| 3. CAPL0010 | LDA of 3.3.0 CAPPS-DB-STS-HSTRY-PHY-FILE |
| 4. CAPL0012 | LDA of 3.3.1 CAPPS-DB-STS-HSTRY-PHY-FILE |

Modified Modules

- | | |
|-------------|--|
| 1. CAPLSTCR | View of CAPPS-DB-STS-CRNT-PHY-FILE |
| 2. CAPLSTHS | View of CAPPS-DB-STS-HSTRY-PHY-FILE |
| 3. CAPLSTPR | View of CAPPS-DB-STS-PRVS-YR-PHY-FILE |
| 4. CAPL06S0 | View of CAPPS-INPT-STS-FILE |
| 5. CAPP1120 | Store CAPPS.STS* data on the CAPPS-INPT-STS-FILE |

Deleted Modules

- | | |
|-------------|--------------------------------------|
| 1. CAPU0001 | Utility to Unload CAPPS-OPM-PHY-FILE |
|-------------|--------------------------------------|

2.3 Copy Object Modules

Not applicable with this release.

3.0 Pre-Predict Data Conversion

Catalog conversion program LDA CAPL0010 and conversion program CAPU0003. Run conversion program CAPU0003 to unload file CAPPS-ARCHV-STS-HSTRY-PHY-FILE to work file 1 (//CMWKF01). The CMWKF01 generated here will be used as input into the Step 6.0 Post-Predict Data Conversion. The conversion program reports the number of records written to the work file.

4.0 PREDICT INSTALLATION

4.1 CAPPS Keywords

PREDICT keyword CAPPS 3.3.1 is included in the PREDICT dataset.

4.2 Load CAPPS PREDICT

Use SYSDICBE to load CAPPS dictionary data into PREDICT using file AIMS.CAPPS.PROD.REL331.REL0797.PRD.

The PREDICT object counts for CAPPS are as follows.

PREDICT Objects by type	
Standard File	1
Physical Files	5
User-Views	8
Data Fields (including 672 in the Z file)	3703
Keywords	1

4.3 Generate Data Definition Modules

Generate the DDMs for at least the following CAPPS files:

CAPPS-ARCHV-STH-HSTRY-PHY-FILE
CAPPS-DB-STH-CRNT-PHY-FILE
CAPPS-DB-STH-HSTRY-PHY-FILE
CAPPS-DB-STH-PRVS-YR-PHY-FILE
CAPPS-INPT-PHY-FILE
CAPPS-INPT-STH-FILE
CAPPS-DB-STH-HSTRY-RV1-FILE
CAPPS-DB-STH-HSTRY-RV2-FILE

4.4 Apply Physical File Changes

The following physical file changes have been made for this release.

Modified physical files

CAPPS-ARCHV-STH-HSTRY-PHY-FILE File #105

Delete file #105 (CAPPS-ARCHV-STH-HSTRY-PHY-FILE) and rebuild (empty) using the file format in the 3.3.1 Predict release. File #105 will be reloaded in Step 6.0 Post-Predict Data Conversion. Be sure that file #105 data was unloaded successfully before deleting file #105. File #105 modifications include reordering fields to match file #073 (CAPPS-DB-STH-HSTRY-PHY-FILE) layout, as well as extending the length for the fields shown below.

Modified fields:

TY L NAME	F	LENG	DB S D
2 YTD-FERS-GOV-CONTR	P	8.2	IN N
2 YTD-FICA-GOV-CONTR	P	8.2	IM N
2 YTD-HIT-GOV-CONTR	P	8.2	IO N
2 YTD-NASA-TSP-GB	P	8.2	HG N
2 YTD-NASA-TSP-GM	P	8.2	HU N

CAPPS-DB-STS-CRNT-PHY-FILE File #113

Modify field length for the below fields.

Modified fields:

TY L NAME	F	LENG	DB S D
2 YTD-FERS-GOV-CONTR	P	8.2	IN N
2 YTD-FICA-GOV-CONTR	P	8.2	IM N
2 YTD-HIT-GOV-CONTR	P	8.2	IO N
2 YTD-NASA-TSP-GB	P	8.2	HG N
2 YTD-NASA-TSP-GM	P	8.2	HU N

CAPPS-DB-STS-HSTRY-PHY-FILE File #73

Modify field length for the below fields.

Modified fields:

TY L NAME	F	LENG	DB S D
2 YTD-FERS-GOV-CONTR	P	8.2	IN N
2 YTD-FICA-GOV-CONTR	P	8.2	IM N
2 YTD-HIT-GOV-CONTR	P	8.2	IO N
2 YTD-NASA-TSP-GB	P	8.2	HG N
2 YTD-NASA-TSP-GM	P	8.2	HU N

CAPPS-INPT-PHY-FILE File #106

Modify field length for the below fields.

Modified fields:

TY L NAME	F	LENG	DB S D
2 YTD-FICA-GOV-CONTR	P	8.2	IM N
2 YTD-FERS-GOV-CONTR	P	8.2	IN N
2 YTD-HIT-GOV-CONTR	P	8.2	IO N
2 YTD-NASA-TSP-GB	P	8.2	HG N
2 YTD-NASA-TSP-GM	P	8.2	HU N

CAPPS-DB-STS-PRVS-YR-PHY-FILE File #72

Modify field length for the below fields.

Modified fields:

TY L NAME	F	LENG	DB S D
2 YTD-FERS-GOV-CONTR	P	8.2	IN N
2 YTD-FICA-GOV-CONTR	P	8.2	IM N
2 YTD-HIT-GOV-CONTR	P	8.2	IO N
2 YTD-NASA-TSP-GB	P	8.2	HG N
2 YTD-NASA-TSP-GM	P	8.2	HU N

5.0 Catalog Source Code

Run a batch job to catalog (CATALL) all modules in the CAPPS or other named library. It is not necessary to catalog the Global Data Area. Standard parameters should be used for the compile.

After all objects are compiled, the CAPPS application will run under standard parameters.

6.0 Post-Predict Data Conversion

Conversion Load Program CAPU0004 and LDA CAPU0012 were cataloged in step 5.0. Run conversion program CAPU0004 to load file CAPPS-ARCHV-STS-HSTRY-PHY-FILE from work file 1 (//CMWKF01). Ensure the number of records written to CMWKF01 in Step 3 equals the number of records loaded. This information is output in CMPRINT.

7.0 Perform Release-Specific Procedures

The following sections are Release-Specific Installation Procedures needed for this release.

7.1 Update BJS JCL

CCR 97000002 Changes to CPDF Status Files requires JCL modifications to Job CP00001, Accept Input From NDM. The JCL for this job is JP00001. Data is transmitted to HQ for input into CAPPS in the following file:

CAPPS.STS.XXXX

“XXXX” of the transmit file name is replaced with the acronym of the installation transmitting the file.

The JCL for the CAPPS.STS files is included in job step CMBND3. The SYSUT2DSN CAPPS-STAGCY file LRECL size should be changed from 2954 to 2971 and the BLKSIZE from 5908 to 5942..

7.2 Update Release Number

Update the CAPPS release number. This number is maintained in SYSTABLES and is displayed on the CAPPS logo screen.

The following is a list of steps to update the CAPPS release number.

1. Execute program CAPP1525 from the Natural Command line.
2. Enter "03.03.10" when the program requests the release number.
3. Verify that the correct release number is displayed by viewing the CAPPS logo screen after logging on to CAPPS.

8.0 Local JCL Mods

There are no local JCL mods with this release. **User's of Supernatural will need to be aware of the file changes and their Supernatural transactions must be re-saved.**

9.0 Installation Checklist

- | | |
|-----|----------------------------------|
| 1.0 | Back Up Existing Data |
| 2.1 | Copy Source Code |
| 3.0 | Pre-Predict Data Conversion |
| 4.2 | Load CAPPS PREDICT |
| 4.3 | Generate Data Definition Modules |

4.4	Apply Physical File Changes
5.0	Catalog Source Code
6.0	Post-Predict Data Conversion
7.1	Update BJS JCL
7.2	Update Release Number